

Mathematical Reflections

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In this investigation, you solved problems that involved enlarging (stretching) and reducing (shrinking) figures. You used rubber-band stretchers and copy machines. These questions will help you summarize what you learned.

Think about your answers to these questions. Discuss your ideas with other students and your teacher. Then write a summary of your findings in your notebook.

1. When you enlarge or reduce a figure, what features stay the same?
2. When you enlarge or reduce a figure, what features change?
3. Rubber-band stretchers, copy machines, overhead projectors, and movie projectors all make images that are similar to the original shapes. What does it mean for two shapes to be similar? That is, how can you complete the sentence below?

“Two geometric shapes are similar if . . .”